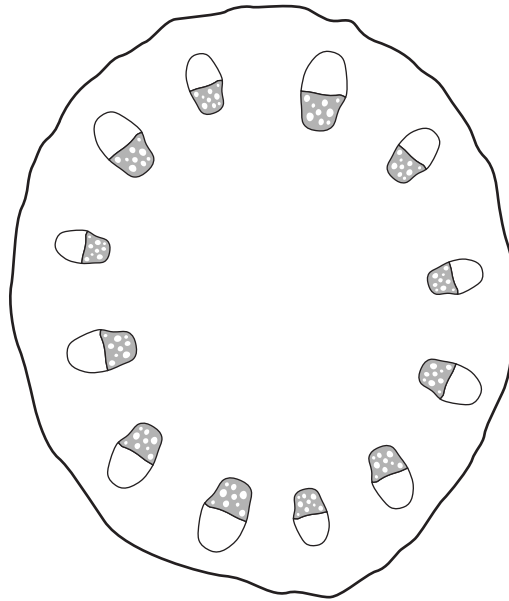
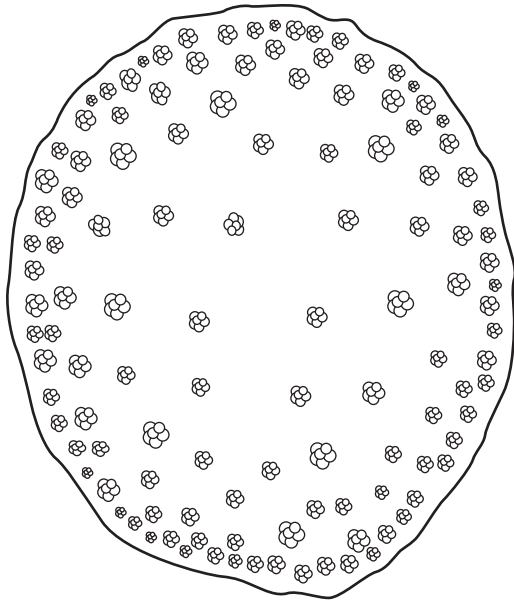


Monocot and Dicot Stems

Both monocot and dicot stems have vascular bundles. The distribution of vascular bundles differs in dicots and monocots.

Label the dicot stem and the monocot stem.



Use the diagram to answer the questions.

1. How is the arrangement of vascular bundles in a monocot different from that in a dicot?

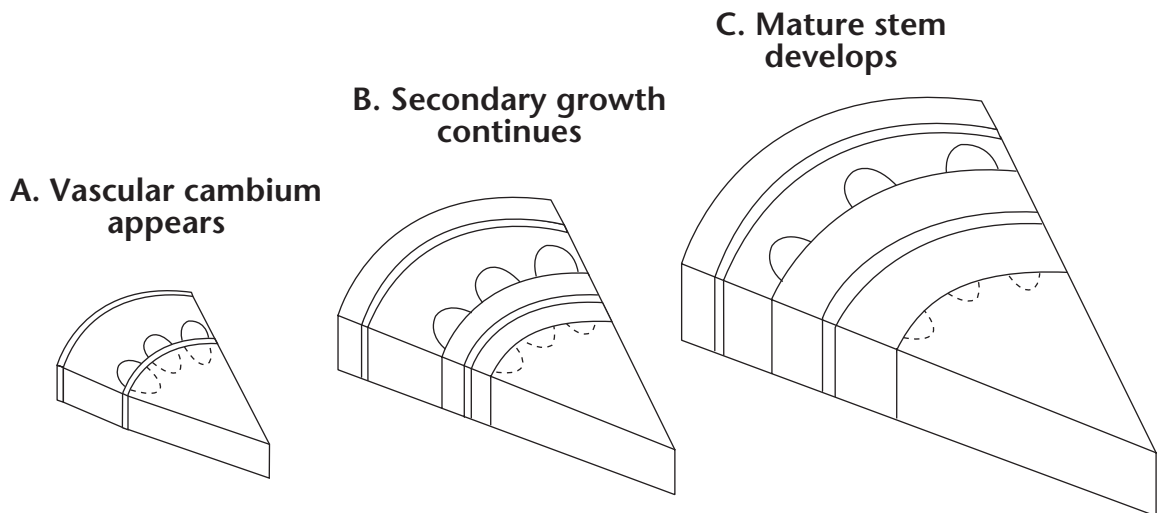
2. What is the role of the vascular bundles?

Dicot Stem Growth

As dicot plants grow larger, their stems get wider as well as longer. This increase in width is called secondary growth.

Follow the prompts to color the diagrams of secondary growth.

- Color the primary phloem red and the secondary phloem orange.
- Color the primary xylem purple and the secondary xylem blue.
- Color the cork brown.



Use the diagram to answer the questions.

1. In a mature dicot stem, which tissues make up bark?

2. Where does vascular cambium form?

3. What type of tissue is vascular cambium? Circle the correct answer.

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